

The claims are:

1. A method for incubating *Pleurotus nebrodensis* characterized by inoculation and cultivation of an inoculum of *P. nebrodensis* in which the temperature is maintained uniformly in the early-cultivating stage, decreased in the mid-cultivating stage and increased in the late-cultivating stage that allow the mycelium to proliferate and generate fruiting bodies.
2. A method for incubating *Pleurotus nebrodensis* characterized by an inoculation and cultivation of *P. nebrodensis* in a culture medium to allow mycelium proliferation and generation of fruiting bodies in which low temperature is maintained uniformly in the former-generating stage and increased in the latter-generating stage.
3. A method for incubating *Pleurotus nebrodensis* characterized by inoculating and cultivating *Pleurotus nebrodensis* in a culture medium that allows mycelium to proliferate over the culture medium and generate fruiting bodies in which the temperature is maintained uniformly in the early-cultivating stage, decreased in the mid-cultivating stage, sharply increased in the latter-generating stage and low temperature maintained in the former generating stage and increased in the latter generating stage.
4. A method for incubating *Pleurotus nebrodensis* using any method from claim 1 through 3 and in addition dispensing an electric impulse between 5 and 60 kV after the cultivation stage.
5. A method for incubating *Pleurotus nebrodensis* consistent with those of claim 1 through 3 wherein the temperature of the early cultivating stage is 16 to 24°C, the temperature of the mid-cultivating stage 6 to 14°C and the late cultivating stage 26 to 34°C.
6. A method for incubating *Pleurotus nebrodensis* consistent with claim 5 wherein the duration of the early-cultivation stage is 35 to 45 days, the mid-cultivation stage 5-15 days and the late-cultivation stage 5-15 days.
7. A method for incubating *Pleurotus nebrodensis* consistent to claim 1 or 3 in which the humidity is maintained at 65-75% in the cultivating stage.
8. A method for incubating *Pleurotus nebrodensis* in accordance to claim 2 or 3 wherein the temperature of the former generating stage is -5 to +3°C and the temperature of the latter-generating stage is 14 to 22°C.
9. A method for incubating *Pleurotus nebrodensis* according to claim 8 in which during the generating stage the temperature is increased by 2 steps.

10. A method for incubating *Pleurotus nebrodensis* according to claim 2 or 3, wherein in the generating stage, humidity is maintained between 75-85% and then increased to 90-100% at the same time the temperature is increased.
11. A method for incubating *Pleurotus nebrodensis* according to claim 2 or 3 wherein in the generating stage, the carbon dioxide level and/or illumination light intensity is increased at the same time as increasing temperature.
12. A method for incubating *Pleurotus nebrodensis* according to claim 2 or 3 in which during generation, the dead bacterial layer is removed before increasing temperature.
13. A method for incubating *Pleurotus nebrodensis* comprising of steps (a) to (d):
  - (a) A step for inoculating an inoculum of *Pleurotus nebrodensis* in a culture medium
  - (b) A step for an incubation at a temperature of 20-30°C whereby allowing the mycelium to proliferate over the culture medium after step (a)
  - (c) A step for giving an electric impulse at 5 to 60 kV after step (b); and,
  - (d) A step for generating fruiting bodies at a temperature of 10-20°C after step (c)
14. A method for incubating *Pleurotus nebrodensis* according to claim 13 in which the step (d), the temperature is temporarily decreased at -1 to 2°C and then increased at 10-20°C.
15. A disease preventing/treating agent which contains *P. nebrodensis* as a main ingredient.
16. A disease preventing/treating agent consistent to claim 15 comprised of a dried powder of *Pleurotus nebrodensis* and/or its hot water extract.
17. A disease preventing/treating agent according to claim 15 in which the disease is one or more of the following: hypertension, hyperlipidemia and obesity.